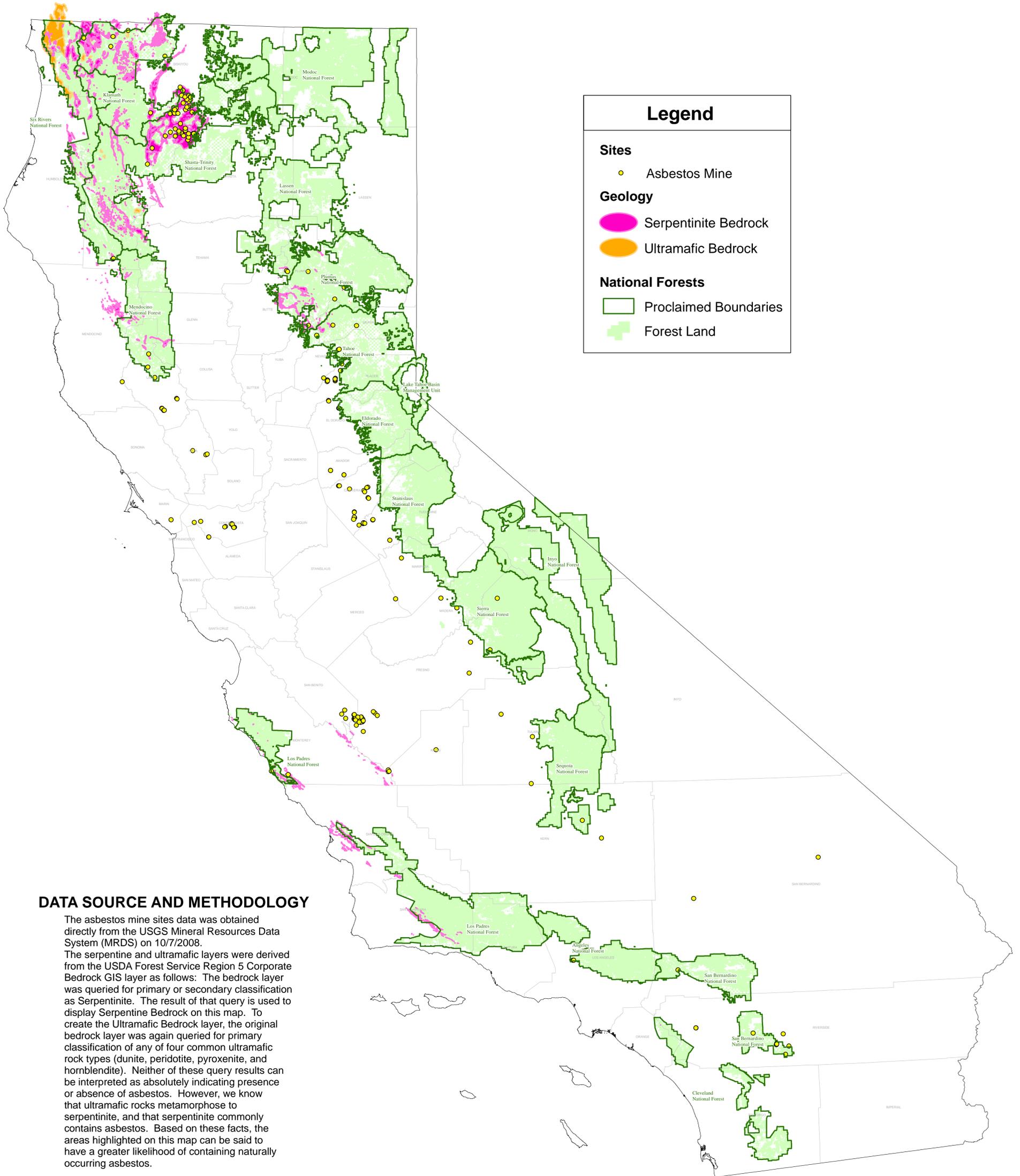


# A General Guide for Serpentine and Ultramafic Bedrock in Region 5 - Areas More Likely to Contain Naturally Occurring Asbestos



**Legend**

**Sites**

- Asbestos Mine

**Geology**

- Serpentinite Bedrock
- Ultramafic Bedrock

**National Forests**

- Proclaimed Boundaries
- Forest Land

## DATA SOURCE AND METHODOLOGY

The asbestos mine sites data was obtained directly from the USGS Mineral Resources Data System (MRDS) on 10/7/2008. The serpentine and ultramafic layers were derived from the USDA Forest Service Region 5 Corporate Bedrock GIS layer as follows: The bedrock layer was queried for primary or secondary classification as Serpentinite. The result of that query is used to display Serpentine Bedrock on this map. To create the Ultramafic Bedrock layer, the original bedrock layer was again queried for primary classification of any of four common ultramafic rock types (dunite, peridotite, pyroxenite, and hornblende). Neither of these query results can be interpreted as absolutely indicating presence or absence of asbestos. However, we know that ultramafic rocks metamorphose to serpentinite, and that serpentinite commonly contains asbestos. Based on these facts, the areas highlighted on this map can be said to have a greater likelihood of containing naturally occurring asbestos.

Disclaimer: The USDA Forest Service uses the most current and complete data available. No guarantee of accuracy is expressed or implied. Using GIS products for purposes other than those for which they were originally intended may yield inaccurate or misleading results. The USDA Forest Service makes no warranties regarding the presence or absence of naturally occurring asbestos at any area shown on this map. 10/7/2008 ES



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